

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPCOT R, SALMON FALLS R, AND SEASTICOOK R

DEP ID		PBW-SMB-1	PBW-SMB-2	PBW-SMB-3	PBW-SMB-4	PBW-SMB-8	PBW-SMB-11	PBW-SMB-12	PBW-SMB-13	PBW-SMB-14
WRI ID		01-186	01-187	01-188	01-189	01-190	01-191	01-192	01-193	01-194
Compound	(ng/Kg)									
2378-tcdf	0.11	0.68	0.38	0.71	0.54	0.48	0.82	0.55	0.31	0.72
12378-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	0.31	<DL	0.25	<DL	0.19	0.33	0.42	<DL	0.31
123678-hxcdf	0.25	0.38	<DL	0.29	0.26	0.31	0.38	0.35	<DL	0.29
234678-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	0.52	0.30	0.55	0.41	0.62	0.65	0.44	0.24	0.71
1234789-hpcdf	0.50	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
2378-tcdd	0.10	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
12378-pecdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
ocdd	0.50	1.16	0.66	1.22	0.84	0.72	1.47	0.83	0.52	1.65
DTEo		0.14	0.04	0.13	0.08	0.10	0.16	0.14	0.03	0.14
DTEd		0.76	0.71	0.75	0.73	0.73	0.78	0.76	0.71	0.76
DTEh		0.45	0.38	0.44	0.41	0.42	0.47	0.45	0.37	0.45
DTEh sd										
DTEh Confidence										
DTEh 95 UCL										
% FTAL										
% Lipids		0.67	0.21	0.52	0.44	0.44	0.82	0.49	0.18	0.82
Sample weight (g)		50.1	50.0	50.1	50.0	50.0	50.1	50.1	50.1	50.1
		Values less than the established MDLs are to be considered estimated values.								
		* = Values are influenced by the presence of diphenyl ethers and are estimated maximum concentrations.								

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBW-SMB-15	PBW-SMB	PBW-WHS-3	PBW-WHS-4	PBW-WHS-7	PBW-WHS-14	PBW-WHS-15	PBW-WHS-18	PBW-WHS-19
WRI ID		01-195	ave	01-196	01-197	01-198	01-199	01-200	01-201	01-202
Compound	(ng/Kg)									
2378-tcdf	0.11	0.61	0.58	0.38	0.46	0.33	0.59	0.28	0.36	0.41
12378-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	0.24	0.292857143	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.26	0.315	0.25	0.31	0.28	0.37	0.19	0.25	0.31
234678-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	0.58	0.502	0.25	0.41	0.28	0.52	0.27	0.39	0.41
1234789-hpcdf	0.50	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
2378-tcdd	0.10	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
12378-pecdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	<DL	#DIV/0!	0.45	0.56	0.47	0.88	0.41	0.56	0.62
ocdd	0.50	1.03	1.01	1.06	1.26	1.51	1.49	0.99	1.54	1.84
DTEo		0.12	0.11	0.07	0.09	0.07	0.11	0.05	0.07	0.08
DTEd		0.74	0.74	0.71	0.73	0.71	0.75	0.70	0.71	0.73
DTEh		0.43	0.43	0.39	0.41	0.39	0.43	0.38	0.39	0.40
DTEh sd			0.03							
DTEh Confidence			0.02							
DTEh 95 UCL			0.45							
% FTAL			30							
% Lipids		0.58	0.51647	1.43	1.92	1.62	2.84	1.31	1.66	1.70
Sample weight (g)		50.0	50.06	50.0	50.0	50.1	50.0	50.0	50.1	50.0

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBW-WHS-24	PBW-WHS-27	PBW-WHS-28	PBW-WHS	PBL-SMB-1	PBL-SMB-7	PBL-SMB-8	PBL-SMB-12	PBL-SMB-13
WRI ID		01-203	01-204	01-205	ave	01-126	01-127	01-128	01-129	01-130
Compound	(ng/Kg)									
2378-tcdf	0.11	0.51	0.72	0.45	0.449	1.15	1.54	0.71	1.44	1.59
12378-pecdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.41	0.48	0.26	0.311	0.28	0.35	0.44	0.38	0.47
234678-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	0.52	0.66	0.48	0.419	0.24	0.36	0.41	0.39	0.51
1234789-hpcdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
2378-tcdd	0.10	<DL	<DL	<DL	#DIV/0!	0.33	0.41	0.45	0.47	0.51
12378-pecdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	1.02	2.21	1.45	0.863	<DL	<DL	<DL	<DL	<DL
ocdd	0.50	2.06	2.75	1.54	1.604	1.62	2.41	1.89	1.55	2.06
DTEo		0.11	0.15	0.09	0.09	0.48	0.60	0.57	0.66	0.72
DTEd		0.75	0.79	0.73	0.73	1.02	1.15	1.12	1.20	1.27
DTEh		0.43	0.47	0.41	0.41	0.75	0.88	0.84	0.93	1.00
DTEh sd					0.03					
DTEh Confidence					0.02					
DTEh 95 UCL					0.43					
% FTAL					28					
% Lipids		2.40	3.41	1.77	2.00705	0.76	1.02	1.05	0.96	1.03
Sample weight (g)		50.1	50.1	50.0	50.04	50.1	50.1	50.0	50.1	50.0

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCSCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBL-SMB-14	PBL-SMB-15	PBL-SMB-16	PBL-SMB-18	PBL-SMB-19	PBL-SMB	PBL-WHS-3	PBL-WHS-10	PBL-WHS-12
WRI ID		01-131	01-132	01-133	01-134	01-135	ave	01-156	01-157	01-158
Compound	(ng/Kg)									
2378-tcdf	0.11	1.35	0.77	1.15	0.89	1.08	1.167	1.85	1.40	1.74
12378-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
123478-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
123678-hxcdf	0.25	0.45	0.20	0.48	0.33	0.49	0.387	0.15	<DL	0.18
234678-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
1234678-hpcdf	0.50	0.44	0.24	0.41	0.29	0.44	0.373	0.48	0.35	0.41
1234789-hpcdf	0.50	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
2378-tcdd	0.10	0.36	0.15	0.31	0.42	0.45	0.386	0.41	0.24	0.38
12378-pecdd	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.38	0.22	0.34
123789-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL
1234678-hpcdd	0.50	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.88	0.61	0.89
ocdd	0.50	1.14	0.85	1.54	1.06	1.47	1.559	1.58	0.99	1.74
DTEo		0.54	0.25	0.48	0.55	0.61	0.545	0.66	0.41	0.62
DTEd		1.09	0.80	1.02	1.09	1.16	1.09	1.18	0.95	1.14
DTEh		0.82	0.52	0.75	0.82	0.89	0.82	0.92	0.68	0.88
DTEh sd							0.13			
DTEh Confidence							0.08			
DTEh 95 UCL							0.90			
% FTAL							60			
% Lipids		0.87	0.38	0.73	0.58	0.91	0.82802	3.64	1.94	3.37
Sample weight (g)		50.0	50.1	50.0	50.0	50.1	50.05	50.0	50.0	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCSCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBL-WHS-13	PBL-WHS-14	PBL-WHS-15	PBL-WHS-20	PBL-WHS-21	PBL-WHS-22	PBL-WHS-23	PBL-WHS	PBC-SMB-2
WRI ID		01-159	01-160	01-161	01-162	01-163	01-164	01-165	ave	01-116
Compound	(ng/Kg)									
2378-tcdf	0.11	1.16	1.26	2.11	1.35	1.02	1.31	2.51	1.571	1.85
12378-pecdf	0.25	<DL	#DIV/0!	<DL						
23478-pecdf	0.25	<DL	#DIV/0!	<DL						
123478-hxcdf	0.25	<DL	#DIV/0!	<DL						
123678-hxcdf	0.25	<DL	<DL	0.25	<DL	<DL	<DL	0.20	0.195	0.51
234678-hxcdf	0.25	<DL	#DIV/0!	<DL						
123789-hxcdf	0.25	<DL	#DIV/0!	<DL						
1234678-hpcdf	0.50	<DL	0.29	0.55	<DL	<DL	0.25	0.62	0.421428571	0.55
1234789-hpcdf	0.50	<DL	#DIV/0!	<DL						
ocdf	0.50	<DL	#DIV/0!	<DL						
2378-tcdd	0.10	0.25	0.35	0.49	0.27	0.19	0.31	0.52	0.341	0.20
12378-pecdd	0.25	<DL	#DIV/0!	<DL						
123478-hxcdd	0.25	<DL	#DIV/0!	<DL						
123678-hxcdd	0.25	0.27	0.31	0.45	0.26	0.15	0.23	0.51	0.312	<DL
123789-hxcdd	0.25	<DL	#DIV/0!	<DL						
1234678-hpcdd	0.50	0.52	0.74	1.06	0.47	<DL	0.51	1.22	0.766666667	<DL
ocdd	0.50	1.06	2.05	2.10	1.88	0.87	1.55	3.01	1.683	1.06
DTEo		0.40	0.52	0.79	0.44	0.31	0.47	0.86	0.547	0.44
DTEd		0.95	1.06	1.30	0.98	0.86	1.01	1.38	1.08	0.99
DTEh		0.67	0.79	1.05	0.71	0.58	0.74	1.12	0.81	0.72
DTEh sd									0.17	
DTEh Confidence									0.11	
DTEh 95 UCL									0.92	
% FTAL									61	
% Lipids		1.99	2.90	4.39	2.08	1.52	2.36	4.43	2.86193	0.49
Sample weight (g)		50.1	50.0	50.0	50.1	50.0	50.0	50.1	50.04	50.0

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSOCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBC-SMB-6	PBC-SMB-7	PBC-SMB-11	PBC-SMB-19	PBC-SMB	PBC-WHS-2	PBC-WHS-5	PBC-WHS-6	PBC-WHS-7
WRI ID		01-117	01-118	01-119	01-120	ave	01-146	01-147	01-148	01-149
Compound	(ng/Kg)									
2378-tcdf	0.11	1.26	1.55	1.71	1.62	1.60	0.75	1.02	0.89	0.59
12378-pecdf	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.57	0.35	0.41	0.84	0.54	<DL	<DL	<DL	<DL
234678-hxcdf	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	0.62	0.75	0.71	0.95	0.72	1.25	0.88	0.47	0.41
1234789-hpcdf	0.50	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
2378-tcdd	0.10	0.26	0.27	0.30	0.41	0.29	0.36	0.41	0.45	0.20
12378-pecdd	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	<DL	#DIV/0!	0.31	0.42	0.25	<DL
123789-hxcdd	0.25	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	<DL	<DL	<DL	<DL	#DIV/0!	0.85	1.25	1.02	<DL
ocdd	0.50	1.21	1.33	1.52	2.31	1.49	1.65	2.51	2.03	1.12
DTEo		0.45	0.47	0.52	0.67	0.51	0.49	0.58	0.58	0.26
DTEd		1.00	1.02	1.07	1.21	1.06	1.03	1.12	1.12	0.84
DTEh		0.72	0.74	0.79	0.94	0.78	0.76	0.85	0.85	0.55
DTEh sd						0.09				
DTEh Confidence						0.08				
DTEh 95 UCL						0.86				
% FTAL						58				
% Lipids		0.54	0.63	0.65	1.25	0.71	1.60	2.46	2.91	0.47
Sample weight (g)		50.1	50.1	50.1	50.0	50.06	50.0	50.1	50.0	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCSCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBC-WHS-13	PBC-WHS	PBV-SMB-9	PBV-SMB-12	PBV-SMB-17	PBV-SMB-18	PBV-SMB-19	PBV-SMB	PBV-WHS-C1
WRI ID		01-150	ave	01-121	01-122	01-123	01-124	01-125	ave	01-291
Compound	(ng/Kg)									
2378-tcdf	0.11	0.81	0.81	0.51	0.89	0.59	0.42	0.50	0.58	3.05
12378-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
23478-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
123478-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.25
123678-hxcdf	0.25	<DL	#DIV/0!	0.37	0.68	0.41	0.32	0.39	0.43	0.28
234678-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
123789-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
1234678-hpcdf	0.50	1.06	0.81	0.51	0.58	0.33	<DL	0.25	0.42	<DL
1234789-hpcdf	0.50	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
ocdf	0.50	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
2378-tcdd	0.10	0.41	0.37	0.21	0.29	0.19	0.11	0.15	0.19	1.31
12378-pecdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
123478-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
123678-hxcdd	0.25	0.36	0.34	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.42
123789-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL
1234678-hpcdd	0.50	0.99	1.03	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.59
ocdd	0.50	2.25	1.91	0.89	1.02	1.24	0.33	0.87	0.87	1.85
DTEo		0.55	0.49	0.30	0.45	0.29	0.18	0.24	0.30	1.72
DTEd		1.09	1.04	0.85	1.00	0.84	0.74	0.79	0.84	2.21
DTEh		0.82	0.76	0.58	0.73	0.57	0.46	0.52	0.57	1.96
DTEh sd			0.13						0.10	
DTEh Confidence			0.11						0.09	
DTEh 95 UCL			0.88						0.66	
% FTAL			58						44	
% Lipids		1.72	1.83	0.46	0.93	0.52	0.25	0.34	0.50	7.19
Sample weight (g)		50.0	50.04	50.1	50.1	50.0	50.0	50.1	50.06	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSOCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBV-WHS-C2	PBV-WHS	PBO-EEL-C1	PBO-EEL-C2	PBO-EEL	PBM-SMB-1	PBM-SMB-2	PBM-SMB-3	PBM-SMB-4
WRI ID		01-293	ave	01-301	01-302	ave	01-166	01-167	01-168	01-169
Compound	(ng/Kg)									
2378-tcdf	0.11	2.65	2.85	2.16	2.98	2.57	0.48	0.42	0.55	0.48
12378-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	0.44	0.35	<DL	0.35	0.35	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.31	0.30	0.71	0.61	0.66	0.46	0.41	0.61	0.57
234678-hxcdf	0.25	<DL	#DIV/0!	0.42	<DL	0.42	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	<DL	#DIV/0!	0.51	0.67	0.59	0.35	0.38	0.49	0.41
1234789-hpcdf	0.50	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	#DIV/0!	0.55	<DL	0.55	<DL	<DL	<DL	<DL
2378-tcdd	0.10	1.26	1.29	1.26	0.97	1.12	<DL	<DL	<DL	<DL
12378-pecdd	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	0.33	0.38	0.55	0.47	0.51	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	<DL	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	0.41	0.50	1.02	0.89	0.96	<DL	<DL	<DL	<DL
ocdd	0.50	2.29	2.07	3.67	4.58	4.13	0.44	0.51	0.85	0.66
DTEo		1.64	1.68	1.66	1.43	1.54	0.10	0.09	0.12	0.11
DTEd		2.13	2.17	2.15	1.92	2.04	0.75	0.73	0.77	0.76
DTEh		1.89	1.93	1.91	1.67	1.79	0.42	0.41	0.44	0.43
DTEh sd			0.06			0.16				
DTEh Confidence			0.08			0.23				
DTEh 95 UCL			2.00			2.02				
% FTAL		38				135				
% Lipids		6.52	6.86	13.56	11.82	12.69	0.42	0.34	0.81	0.60
Sample weight (g)		50.1	50.10	50.0	50.1	50.05	50.1	50.0	50.0	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PBM-SMB-5	PBM-SMB-6	PBM-SMB-7	PBM-SMB-8	PBM-SMB-9	PBM-SMB-10	PBM-SMB	PBM-WHS-1	PBM-WHS-5
WRI ID		01-170	01-171	01-172	01-173	01-174	01-175	ave	01-176	01-179
Compound	(ng/Kg)									
2378-tcdf	0.11	0.61	0.50	0.34	0.36	0.47	0.31	0.452	0.37	0.71
12378-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123478-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123678-hxcdf	0.25	0.48	0.51	0.29	0.28	0.38	0.35	0.434	<DL	0.34
234678-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
1234678-hpcdf	0.50	0.39	0.48	0.37	0.25	0.41	0.28	0.381	<DL	<DL
1234789-hpcdf	0.50	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
2378-tcdd	0.10	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
12378-pecdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
123789-hxcdd	0.25	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
1234678-hpcdd	0.50	<DL	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.49	0.71
ocdd	0.50	0.48	0.53	0.41	0.39	0.35	0.47	0.509	0.84	1.14
DTEo		0.11	0.11	0.07	0.07	0.09	0.07	0.09	0.04	0.11
DTEd		0.76	0.75	0.71	0.71	0.74	0.72	0.74	0.71	0.76
DTEh		0.44	0.43	0.39	0.39	0.41	0.39	0.42	0.38	0.44
DTEh sd								0.02		
DTEh Confidence								0.01		
DTEh 95 UCL								0.43		
% FTAL								29		
% Lipids		0.55	0.65	0.37	0.24	0.35	0.32	0.46421	1.16	2.36
Sample weight (g)		50.1	50.1	50.1	50.1	50.1	50.1	50.08	50.1	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPCOT R, SALMON FALLS R, AND SEASTICOOK R

DEP ID		PBM-WHS-10	PBM-WHS-11	PBM-WHS-14	PBM-WHS	PWD-SMB-1	PWD-SMB-2	PWD-SMB-3	PWD-SMB-4	PWD-SMB-5
WRI ID		01-180	01-181	01-183	ave	01-051	01-052	01-053	01-054	01-055
Compound	(ng/Kg)									tcdf p =
2378-tcdf	0.11	0.36	0.62	0.52	0.52	0.63	0.52	0.89	0.74	0.59
12378-pecdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	<DL	<DL	0.22	0.28	<DL	0.22	0.41	0.35	0.29
234678-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	0.39	0.52	0.44	<DL
1234789-hpcdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
2378-tcdd	0.10	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
12378-pecdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	0.62	0.55	0.61	0.60	0.52	0.75	0.95	1.03	0.64
ocdd	0.50	0.66	1.02	0.89	0.91	0.41	1.58	2.37	2.04	1.75
DTEo		0.04	0.07	0.08	0.07	0.068	0.086	0.145	0.124	0.095
DTEd		0.71	0.74	0.73	0.73	0.741	0.728	0.787	0.766	0.740
DTEh		0.38	0.40	0.40	0.40	0.40	0.41	0.47	0.45	0.42
DTEh sd					0.02					
DTEh Confidence					0.02					
DTEh 95 UCL					0.42					
% FTAL					28					
% Lipids		1.37	1.83	2.73	1.89	0.30	0.31	0.59	0.43	0.17
Sample weight (g)		50.0	50.0	50.0	50.04	50.1	50.1	50.0	50.0	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBSCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PWD-SMB	PWD-WHS-C1	PWD-WHS-C2	PWD-WHS	PWB-SMB-01	PWB-SMB-02	PWB-SMB-03	PWB-SMB-04	PWB-SMB-05
WRI ID		ave	01-056-C1	01-057-C2	ave	01-026	01-027	01-028	01-029	01-030
Compound	(ng/Kg)	0.26								
2378-tcdf	0.11	0.67	2.14	4.44	3.29	0.89	0.61	0.87	0.41	1.02
12378-pecdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	#DIV/0!	0.55	0.47	0.51	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.32	1.14	0.98	1.06	0.26	<DL	0.19	<DL	0.25
234678-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	0.45	0.45	0.56	0.51	<DL	<DL	<DL	<DL	<DL
1234789-hpcdf	0.50	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
2378-tcdd	0.10	#DIV/0!	0.21	0.23	0.22	<DL	<DL	<DL	<DL	<DL
12378-pecdd	0.25	#DIV/0!	0.24	0.29	0.27	<DL	<DL	<DL	<DL	<DL
123478-hxcdd	0.25	#DIV/0!	<DL	0.35	0.35	<DL	<DL	<DL	<DL	<DL
123678-hxcdd	0.25	#DIV/0!	1.03	1.36	1.19	<DL	<DL	<DL	<DL	<DL
123789-hxcdd	0.25	#DIV/0!	<DL	0.46	0.46	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	0.78	1.51	0.97	1.24	0.72	0.45	0.63	<DL	0.61
ocdd	0.50	1.63	2.03	3.13	2.58	1.31	0.66	1.02	0.55	1.25
DTEo		0.10	1.176	1.530	1.353	0.122	0.066	0.112	0.041	0.133
DTEd		0.75	1.318	1.622	1.47	0.770	0.738	0.760	0.719	0.781
DTEh		0.43	1.25	1.58	1.41	0.45	0.40	0.44	0.38	0.46
DTEh sd		0.03			0.23					
DTEh Confidence		0.02			0.32					
DTEh 95 UCL		0.45			1.73					
% FTAL		30			33					
% Lipids		0.36	10.73	11.78	11.25	0.40	0.25	0.51	0.09	0.64
Sample weight (g)		50.06	50.1	50.1	50.10	50.0	50.1	50.0	50.0	50.1

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		PWB-SMB	PWB-WHS-C1	PWB-WHS-C2	PWB-WHS	SWP-SMB-01	SWP-SMB-02	SWP-SMB-03	SWP-SMB-04	SWP-SMB-05
WRI ID		ave	01-031-C1	01-033-C2	ave	01-086	01-087	01-088	01-089	01-090
Compound	(ng/Kg)									
2378-tcdf	0.11	0.76	8.52	4.78	6.65	0.36	0.29	0.44	0.48	0.35
12378-pecdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
23478-pecdf	0.25	#DIV/0!	0.91	0.61	0.76	<DL	<DL	<DL	<DL	<DL
123478-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hxcdf	0.25	0.23	0.36	0.39	0.38	0.20	<DL	0.35	0.46	0.23
234678-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123789-hxcdf	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
1234678-hpcdf	0.50	#DIV/0!	<DL	0.29	0.29	<DL	0.41	0.68	1.02	0.51
1234789-hpcdf	0.50	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
ocdf	0.50	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	0.78	0.61	0.66
2378-tcdd	0.10	#DIV/0!	0.22	0.11	0.17	0.15	0.16	0.23	0.24	0.16
12378-pecdd	0.25	#DIV/0!	<DL	<DL	#DIV/0!	0.21	0.19	0.25	0.29	0.18
123478-hcddd	0.25	#DIV/0!	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	<DL
123678-hcddd	0.25	#DIV/0!	0.38	<DL	0.38	<DL	0.31	0.48	0.51	0.25
123789-hcddd	0.25	#DIV/0!	0.69	<DL	0.69	<DL	<DL	<DL	<DL	<DL
1234678-hpcdd	0.50	0.60	0.59	1.15	0.87	0.51	1.06	0.67	0.82	0.64
ocdd	0.50	0.96	3.67	2.06	2.87	0.95	0.87	1.02	1.76	1.18
DTEo		0.09	1.676	0.947	1.31	0.421	0.425	0.621	0.694	0.435
DTEd		0.75	2.046	1.364	1.71	0.716	0.717	0.888	0.961	0.702
DTEh		0.42	1.86	1.16	1.51	0.57	0.57	0.75	0.83	0.57
DTEh sd		0.03			0.50					
DTEh Confidence		0.03			0.69					
DTEh 95 UCL		0.45			2.20					
% FTAL		30			42					
% Lipids		0.38	9.28	6.96	8.12	0.58	0.66	0.85	0.96	0.58
Sample weight (g)		50.04	50.1	50.1	50.10	50.0	47.5	50.0	50.0	50.0

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		SWP-SMB	SEN-SMB-01	SEN-SMB-02	SEN-SMB-03	SEN-SMB-04	SEN-SMB-05	SEN-SMB	SED-SMB-01	SED-SMB-02
WRI ID		ave	01-096	01-097	01-098	01-099	01-100	ave	01-101	01-102
Compound	(ng/Kg)									
2378-tcdf	0.11	0.38	0.41	0.39	0.31	0.53	0.72	0.47	0.57	0.39
12378-pecdf	0.25	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
23478-pecdf	0.25	#DIV/0!	<DL	<DL	<DL	<DL	0.27	0.27	<DL	<DL
123478-hxcdf	0.25	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.53	<DL
123678-hxcdf	0.25	0.31	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.57	0.32
234678-hxcdf	0.25	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	0.25	<DL
123789-hxcdf	0.25	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
1234678-hpcdf	0.50	0.66	0.25	0.51	0.37	0.55	0.46	0.43	0.42	<DL
1234789-hpcdf	0.50	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
ocdf	0.50	0.68	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
2378-tcdd	0.10	0.19	0.11	0.16	0.15	0.13	0.19	0.148	0.09	<DL
12378-pecdd	0.25	0.22	0.21	0.46	0.26	0.37	0.42	0.34	<DL	<DL
123478-hxcdd	0.25	#DIV/0!	<DL	0.20	<DL	0.25	0.33	0.26	<DL	<DL
123678-hxcdd	0.25	0.39	<DL	0.39	0.29	0.33	0.51	0.38	<DL	<DL
123789-hxcdd	0.25	#DIV/0!	<DL	<DL	<DL	<DL	<DL	#DIV/0!	<DL	<DL
1234678-hpcdd	0.50	0.74	<DL	0.73	0.51	0.58	0.88	0.68	0.78	0.51
ocdd	0.50	1.16	0.72	0.89	1.12	0.55	1.03	0.86	2.31	1.26
DTEo		0.52	0.364	0.730	0.479	0.622	0.915	0.62	0.294	0.076
DTED		0.80	0.686	0.998	0.771	0.890	1.057	0.88	0.787	0.724
DTEh		0.66	0.52	0.86	0.63	0.76	0.99	0.75	0.54	0.40
DTEh sd		0.12						0.18		
DTEh Confidence		0.11						0.16		
DTEh 95 UCL		0.77						0.91		
% FTAL		51						61		
% Lipids		0.73	0.34	0.78	0.61	0.75	1.03	0.70	1.78	0.88
Sample weight (g)		49.50	50.0	50.0	50.1	50.1	50.1	50.06	50.1	50.0

APPENDIX 2B. DIOXINS AND FURANS IN 2001 FISH SAMPLES: PENOBCOT R, PRESUMPSCOT R, SALMON FALLS R, AND SEBASTICOOK R

DEP ID		SED-SMB-03	SED-SMB-04	SED-SMB-05	SED-SMB	SFS-SMB-01	SFS-SMB-02	SFS-SMB-03	SFS-SMB-04	SFS-SMB
WRI ID		01-103	01-104	01-105	ave	01-341	01-342	01-343	01-344	ave
Compound	(ng/Kg)									
2378-tcdf	0.11	0.79	0.83	0.48	0.61	1.02	1.31	0.87	0.62	0.96
12378-pecdf	0.25	<DL	0.35	0.23	0.29	<DL	<DL	<DL	<DL	#DIV/0!
23478-pecdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
123478-hxcdf	0.25	<DL	0.59	0.71	0.61	<DL	<DL	<DL	<DL	#DIV/0!
123678-hxcdf	0.25	0.25	0.48	0.44	0.41	<DL	<DL	<DL	<DL	#DIV/0!
234678-hxcdf	0.25	<DL	0.32	0.23	0.27	0.72	0.89	0.20	0.45	0.57
123789-hxcdf	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
1234678-hpcdf	0.50	<DL	0.54	0.61	0.52	0.56	0.48	0.31	0.58	0.48
1234789-hpcdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
ocdf	0.50	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
2378-tcdd	0.10	<DL	0.15	0.11	0.12	0.21	0.25	0.13	<DL	0.20
12378-pecdd	0.25	<DL	<DL	<DL	#DIV/0!	0.12	0.19	0.10	<DL	0.14
123478-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
123678-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	0.45	<DL	<DL	<DL	0.45
123789-hxcdd	0.25	<DL	<DL	<DL	#DIV/0!	<DL	<DL	<DL	<DL	#DIV/0!
1234678-hpcdd	0.50	0.55	<DL	<DL	0.61	<DL	<DL	<DL	<DL	#DIV/0!
ocdd	0.50	0.85	1.61	0.55	1.32	1.91	1.57	0.75	1.64	1.47
DTEo		0.110	0.395	0.314	0.24	0.555	0.665	0.340	0.113	0.42
DTEd		0.757	0.880	0.799	0.79	0.827	0.963	0.638	0.761	0.80
DTEh		0.43	0.64	0.56	0.51	0.69	0.81	0.49	0.44	0.61
DTEh sd					0.10					0.18
DTEh Confidence					0.08					0.17
DTEh 95 UCL					0.60					0.78
% FTAL					40					52
% Lipids		0.87	1.96	1.76	1.45	0.68	0.36	0.43	0.27	0.44
Sample weight (g)		50.0	50.0	50.1	50.04	50.0	50.0	50.1	50.1	50.05